



E-Series Ozone Generators W/Oxygen Concentration 10 – 57 grams/hour

A Quantum Leap in Ozone Generation

The Osmonics E-Series ozone system exceeds the industry standard for customers demanding stable ozone output and reliability. The performance is unequalled in the industry, with the capability of reliably producing high concentrations of ozone – 6 to 10% by weight, while efficiently producing up to 3 ppd (57 g/hr) of ozone with low operating costs.

The Ozone generation system uses Osmonics E-Series flat plate ozone generator and an oxygen generation system. The standard system design is dual rated for 50/60 Hz operation and requires one single point power connection.

FEATURES



- High concentration ozone (6 – 10% by weight)
- Compact – wall mountable design allows easy installation
- Stainless steel frame.
- Built in oxygen concentrator (No oxygen bottles are required).
- Pressure regulators for air into and oxygen out of the oxygen concentrator.
- Supply air filtration (Particle filter – 1 micron, Oil Coalescing filter, and Hydrocarbon Adsorption filter).
- Pressure regulator for cooling water.
- Cooling water low flow switch and automatic inlet on/off valve.
- Advanced control system.
- Extremely flexible control system that includes interfaces for front panel operation, from an easy-to-use local mode to a remote mode controlled by an industry standard 4 – 20 mA current loop.
- Complete instruction Manual.
- Fast, responsive factory and dealer support on any problem or question. Durable ceramic flat plate cell construction.
- Worldwide input power compatibility. An E Series Ozone generator will work anywhere in the world with single-phase power.
- Environmentally protected in a 304 stainless steel enclosure.

**For More Information Please Call
1(800)CAL-WATER - (800) 225-9283**

OPTIONS

- Pre-Engineered Accessories
- Ozone Injection Skids
- 316LSS Contact Towers
- Ozone Destruct Modules
- Ambient Ozone Monitors
- Dissolved Ozone Monitors
- Full Computer Control/Data Acquisition. (Network capable.)
- **Cal Water support**, including service contracts. (Limited – **OR** – Turnkey.)



Ozone Monitor

SPECIFICATIONS

Oxygen Concentrator

- Gas Output: 25 scfh at 90% oxygen.
- Parent Gas: Compressed Air
- Drying Capability: -100°F dew point

Ozone Generator

- Ozone Output: 0.5 – 3 lbs/day
- Ozone Concentration: 10 – 6%
- Gas Outlet Pressure: 4 – 15 psig

Materials of Construction

- Frame: 304 Stainless Steel
- Enclosure: Brushed SS
- O₂/O₃ Gas Tubing: PTFE/304 SS
- Air Tubing: Polypropylene
- Water Tubing: Polypropylene

Installation and Utility Requirements

- Cooling Water Flow: 0.5 gpm (at 20 – 40 psig) at 50 – 85°F (at or above ambient dew point)
- Cooling Water Inlet/Outlet: 0.25-inch FNPT
- Compressed Air Flow: 5.5 cfm at 45 psig (11 scfm)
- Compressed Air Inlet: 0.5-inch FNPT
- Ozone Gas Piping Outlet: 0.25-inch MNPT
- Electrical Power: 208 – 240 VAC, 1-Phase, 50/60 Hz, 3.5 Amps Full Load
- Frame Dimensions: 71-inch height x 18-inch width x 17-inch depth
- Approximate Shipping Weight: 200 lbs

CONTROLS

Inputs

Room Ozone Alarm: Dry Contact Close to run
Remote Enable: Dry Contact Close to run
Remote Control: 4 – 20 mA (0 – 100% Output)

Local

Display: Backlit Graphic LCD Display
Keyboard: Sealed 16 Key Membrane

Outputs

Remote Ready: Dry Contact
Alarm: Dry Contact Close Fault

Warranty: All E Series units are backed by a 1-year warranty.

Cal-Water has been selling, installing and servicing water purification equipment since **1946**.

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